

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052302

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/62 C12N15/58 C12N5/10
//C07K14/715

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBL, EMBASE, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/53059 A (GENENTECH INC) 21 October 1999 (1999-10-21) SEQ ID No. 1 and 7 the whole document	8-23
X	----- DATABASE EMBL 'Online! 17 July 2003 (2003-07-17), ASHKENAZI A.J. ET AL.: "Secretion of glycosylated protein with the use of tissue plasminogen activator prosequence" XP002267400 retrieved from EBI Database accession no. BD599618 abstract & JP 2002 511264 T 16 April 2002 (2002-04-16) abstract ----- -/--	8-23



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

20 January 2005

Date of mailing of the international search report

03/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Huse, I

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052302

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE GENESEQ 'Online! 7 November 2000 (2000-11-07), MARTIN F.H. ET AL.: "Native mouse IgG1 signal peptide" XP002267401 retrieved from EBI Database accession no. AAY95831 abstract -& WO 00/47741 A (AMGEN INC) 17 August 2000 (2000-08-17) page 56, line 4 - line 12 page 58, line 43 - line 47 page 59, line 24 - line 33 page 100; table 14.1 example 14</p>	1-7, 12, 13, 15-23
A	<p>DATABASE GENESEQ 'Online! 5 December 2000 (2000-12-05), PATEL S ET AL.: "Mouse IgH signal peptide" XP002266931 retrieved from EBI Database accession no. AAY96081 abstract & WO 00/52158 A (MITOTIX INC; CELL GENESYS INC (US)) 20 September 2000 (2000-09-20) page 21, line 14 - line 16 figure 15A</p>	1-3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052302

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9953059	A	21-10-1999	AU 763513 B2	24-07-2003
			AU 3641699 A	01-11-1999
			CA 2325022 A1	21-10-1999
			EP 1071769 A1	31-01-2001
			JP 2002511264 T	16-04-2002
			WO 9953059 A1	21-10-1999
			US 2002155525 A1	24-10-2002
			US 2004077013 A1	22-04-2004
JP 2002511264	T	16-04-2002	AU 763513 B2	24-07-2003
			AU 3641699 A	01-11-1999
			CA 2325022 A1	21-10-1999
			EP 1071769 A1	31-01-2001
			WO 9953059 A1	21-10-1999
			US 2002155525 A1	24-10-2002
			US 2004077013 A1	22-04-2004
WO 0047741	A	17-08-2000	AU 3362300 A	29-08-2000
			CA 2359840 A1	17-08-2000
			EP 1151102 A1	07-11-2001
			JP 2002536018 T	29-10-2002
			WO 0047741 A1	17-08-2000
WO 0052158	A	08-09-2000	US 6420345 B1	16-07-2002
			AU 3389700 A	21-09-2000
			AU 3607500 A	21-09-2000
			AU 3607600 A	21-09-2000
			CA 2362995 A1	08-09-2000
			CA 2363139 A1	08-09-2000
			CA 2371846 A1	08-09-2000
			EP 1157122 A1	28-11-2001
			EP 1181362 A1	27-02-2002
			EP 1157108 A1	28-11-2001
			JP 2002538182 A	12-11-2002
			JP 2002537809 A	12-11-2002
			JP 2003523722 T	12-08-2003
			WO 0052158 A1	08-09-2000
			WO 0052159 A1	08-09-2000
			WO 0052184 A1	08-09-2000
			US 6413943 B1	02-07-2002
			US 6521602 B1	18-02-2003